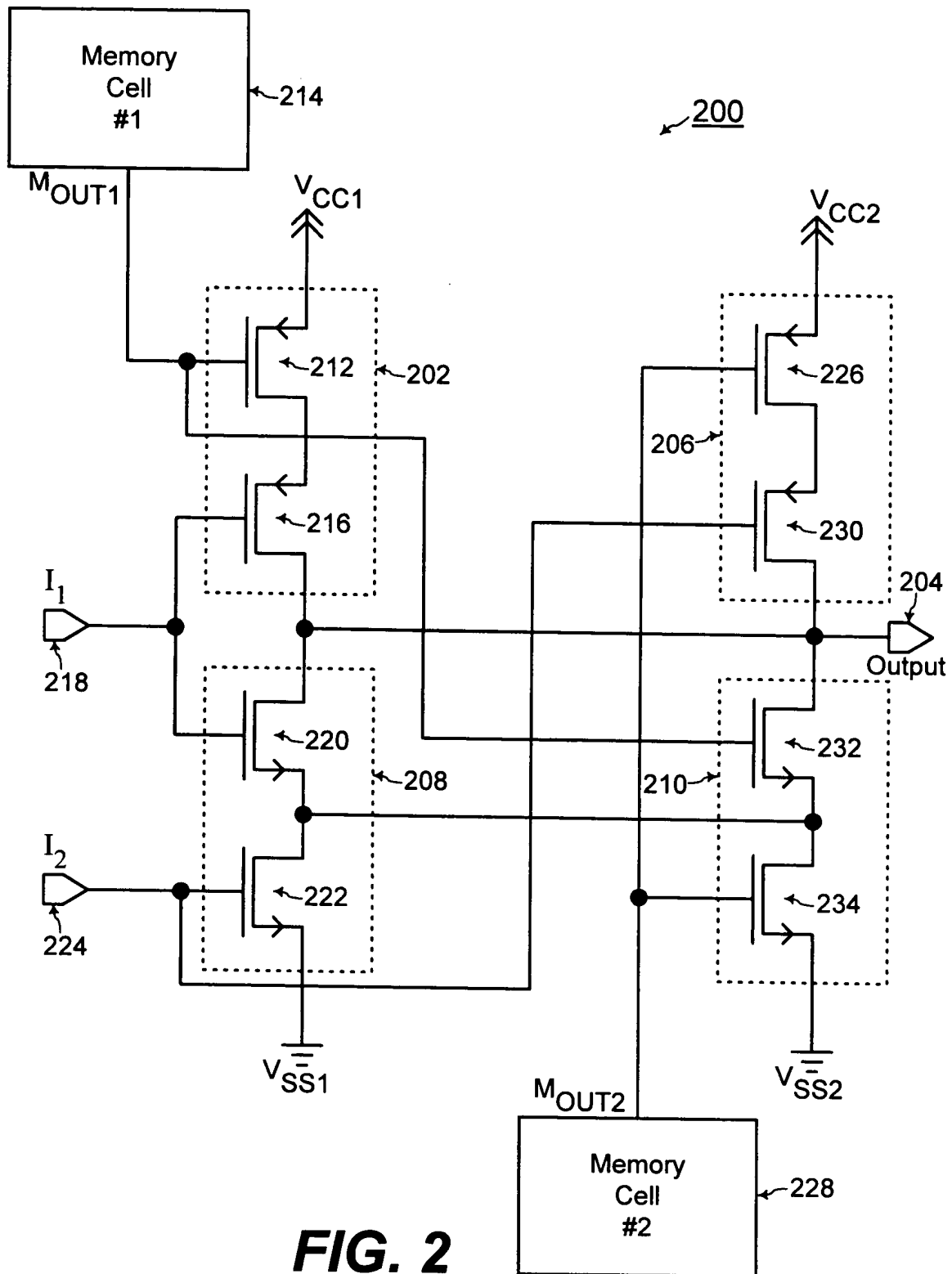




**FIG. 1 (Prior Art)**

1641

**FIG. 2**

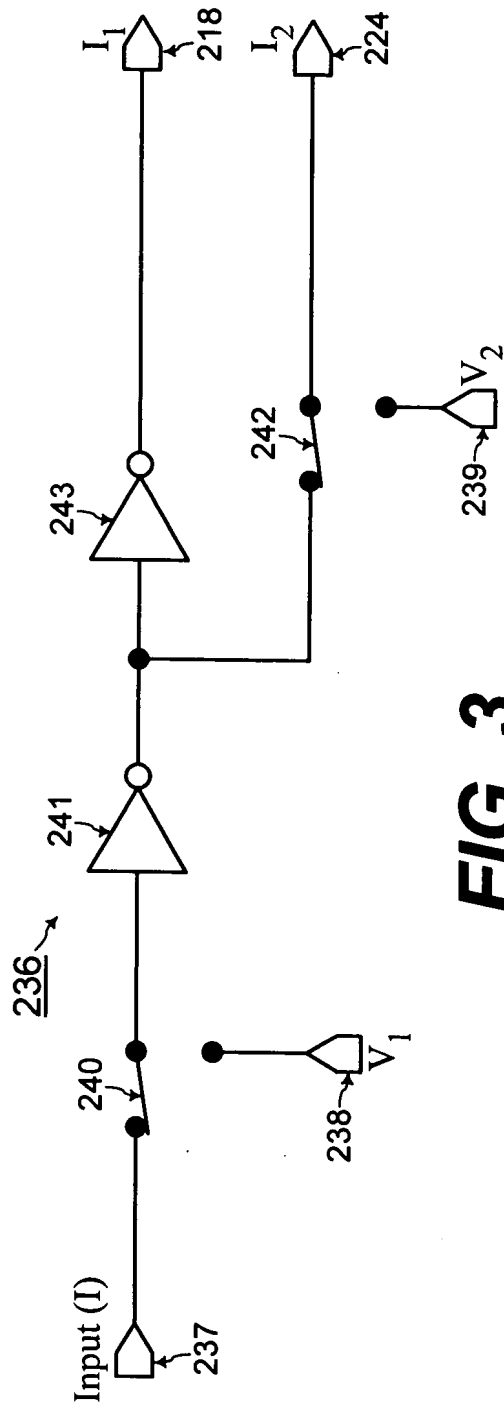


FIG. 3

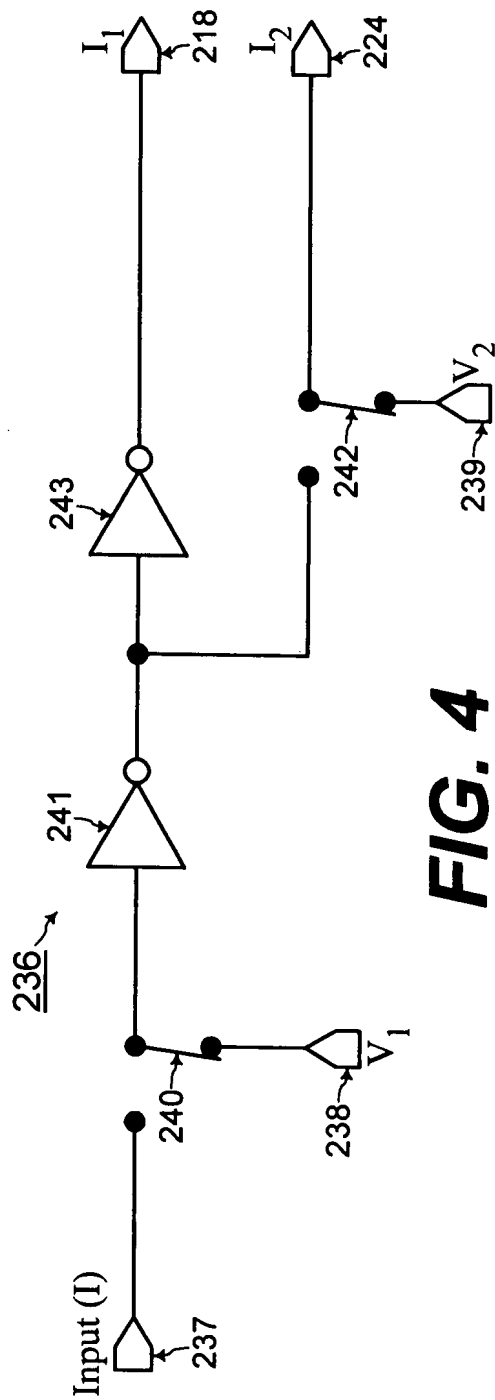


FIG. 4

TOTAL = 244

$I_1$	$I_2$	$M_{OUT1}$	$M_{OUT2}$	Output
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	0
0	1	0	0	1
0	1	0	1	1
0	1	1	0	0
0	1	1	1	0
1	0	0	0	1
1	0	0	1	0
1	0	1	0	1
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0

244

251

**FIG. 5**

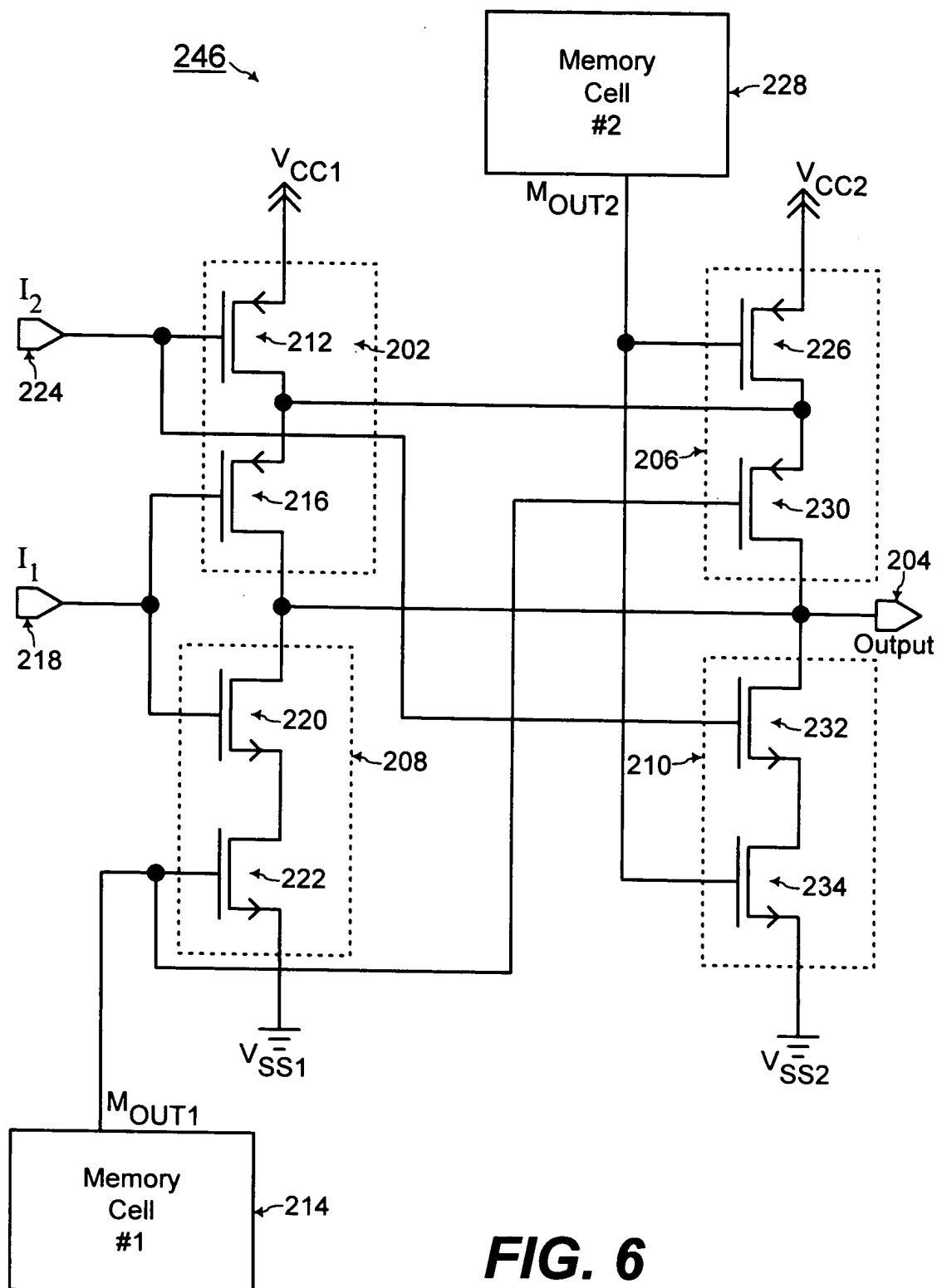


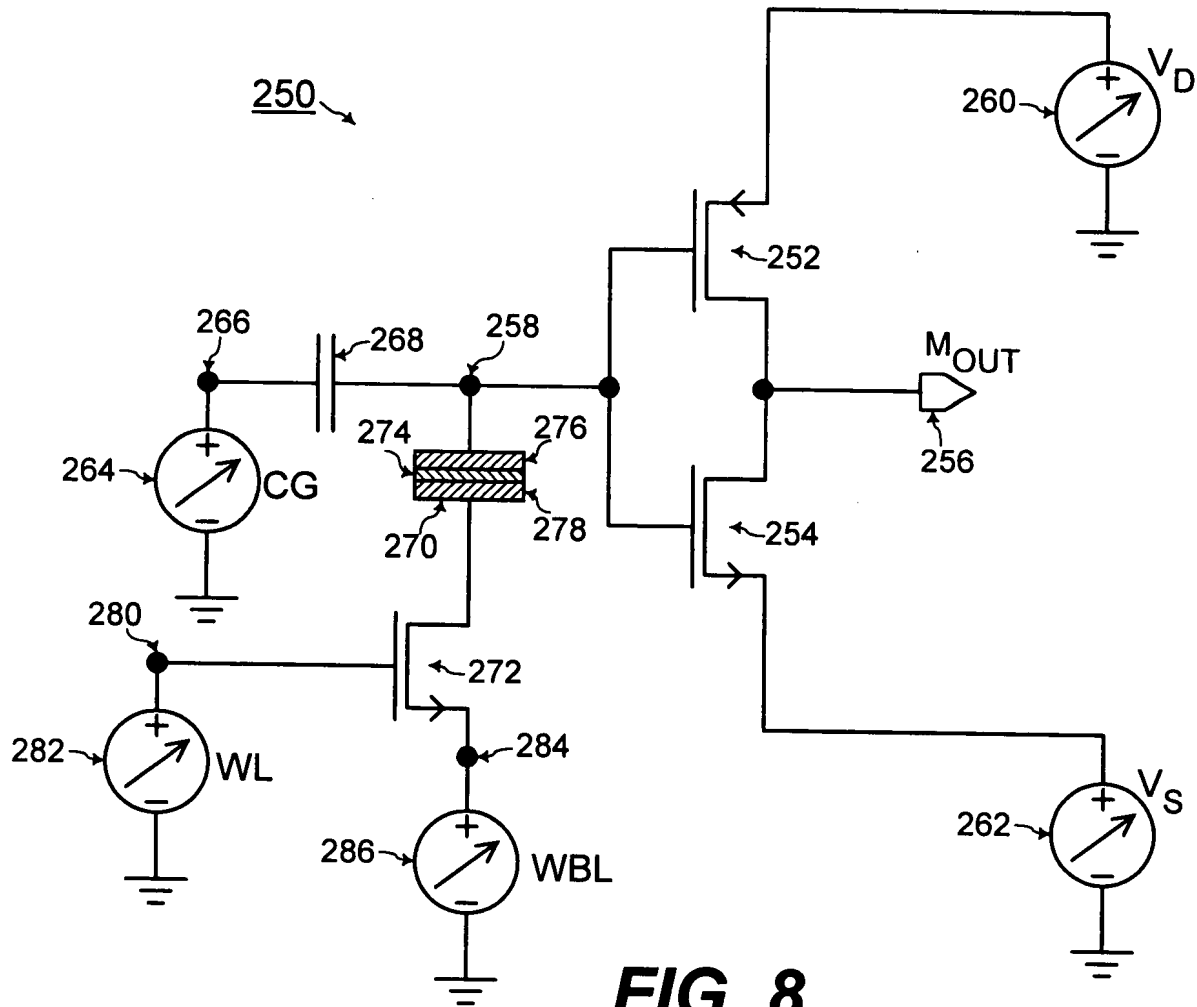
FIG. 6

253

$I_1$	$I_2$	$M_{OUT1}$	$M_{OUT2}$	Output
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	1
0	1	0	1	0
0	1	1	0	1
0	1	1	1	0
1	0	0	0	1
1	0	0	1	1
1	0	1	0	0
1	0	1	1	0
1	1	0	0	1
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0

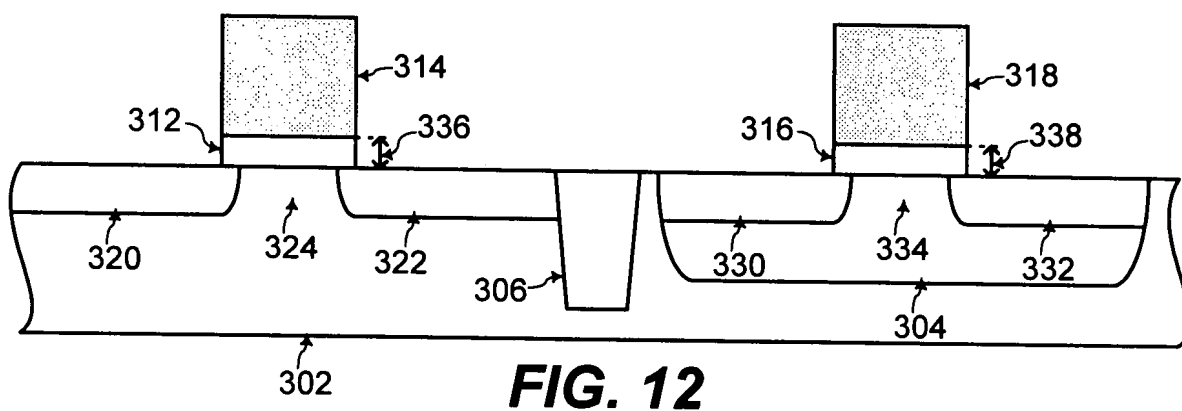
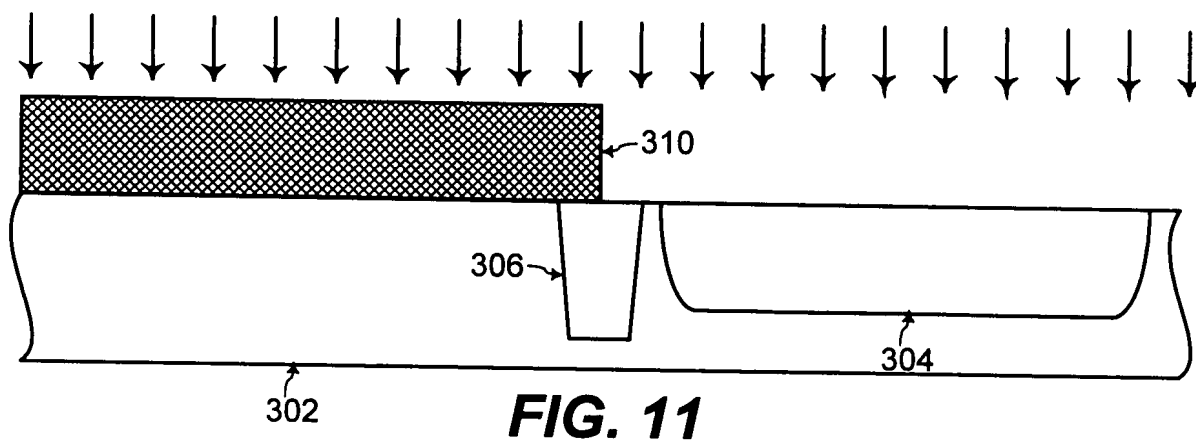
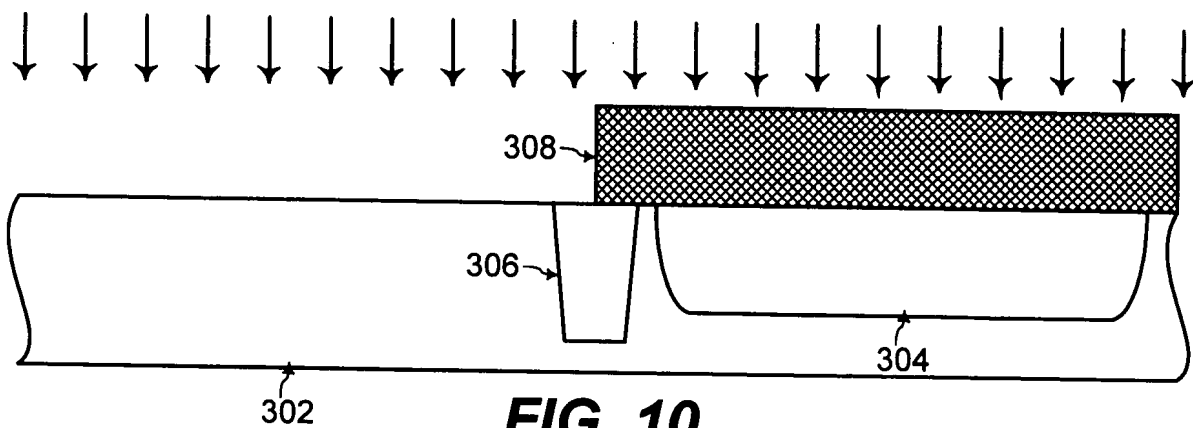
248

FIG. 7

**FIG. 8**

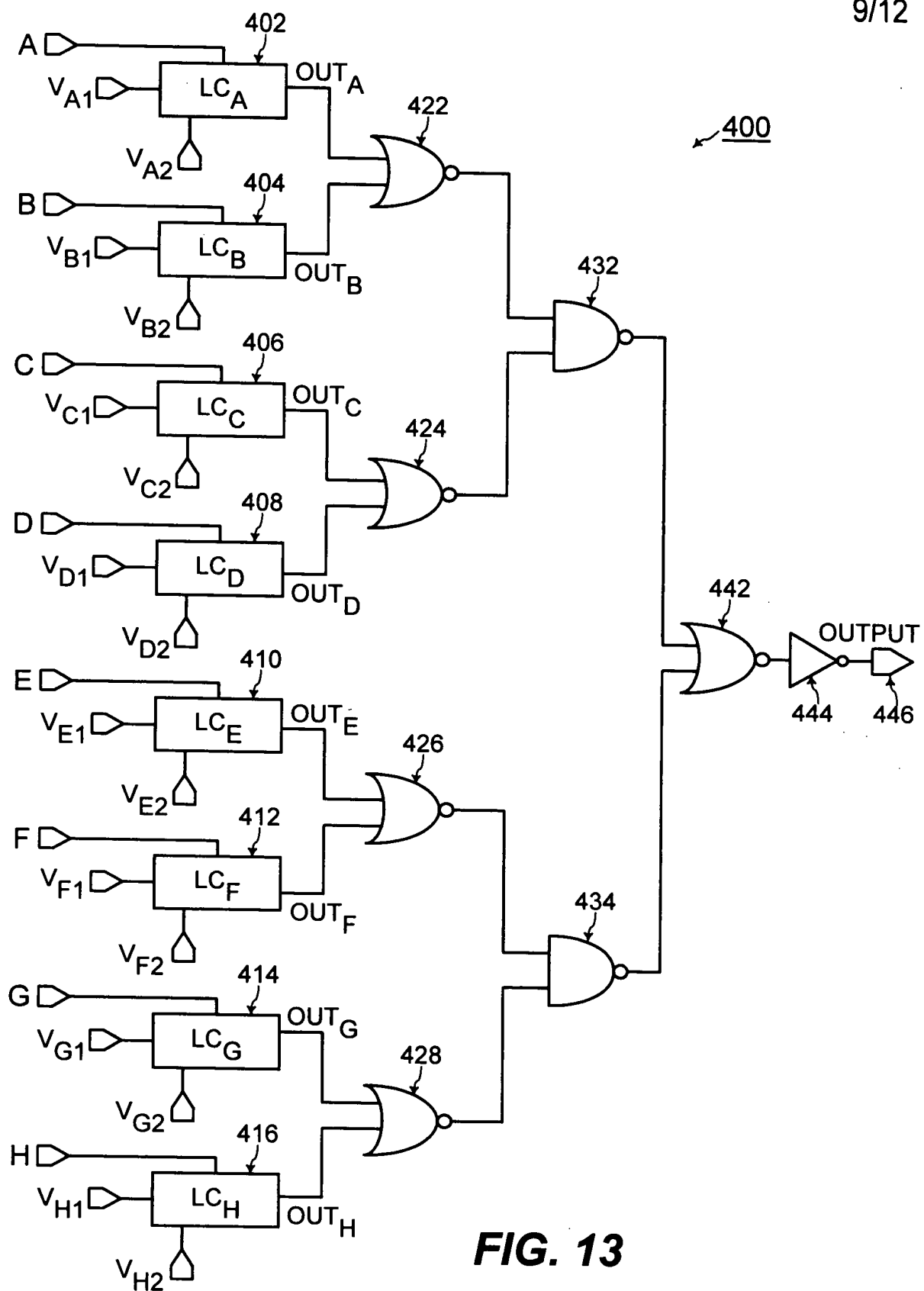
Operation	CG	WL	WBL	$V_D$	$V_S$	$M_{OUT}$
Erase	$V_{pp+}=12V$	$V_{dd}=1.8V$	0V	$V_{dd}=1.8V$	$V_{dd}=1.8V$	$V_{dd}=1.8V$
Program	0V	$V_{pp+}=12V$	$V_{pp}=11V$	0V	0V	0V
Read	0.9V	$V_{dd}=1.8V$	0.9V	$V_{dd}=1.8V$	0V	$V_{dd}$ or 0V

**FIG. 9**



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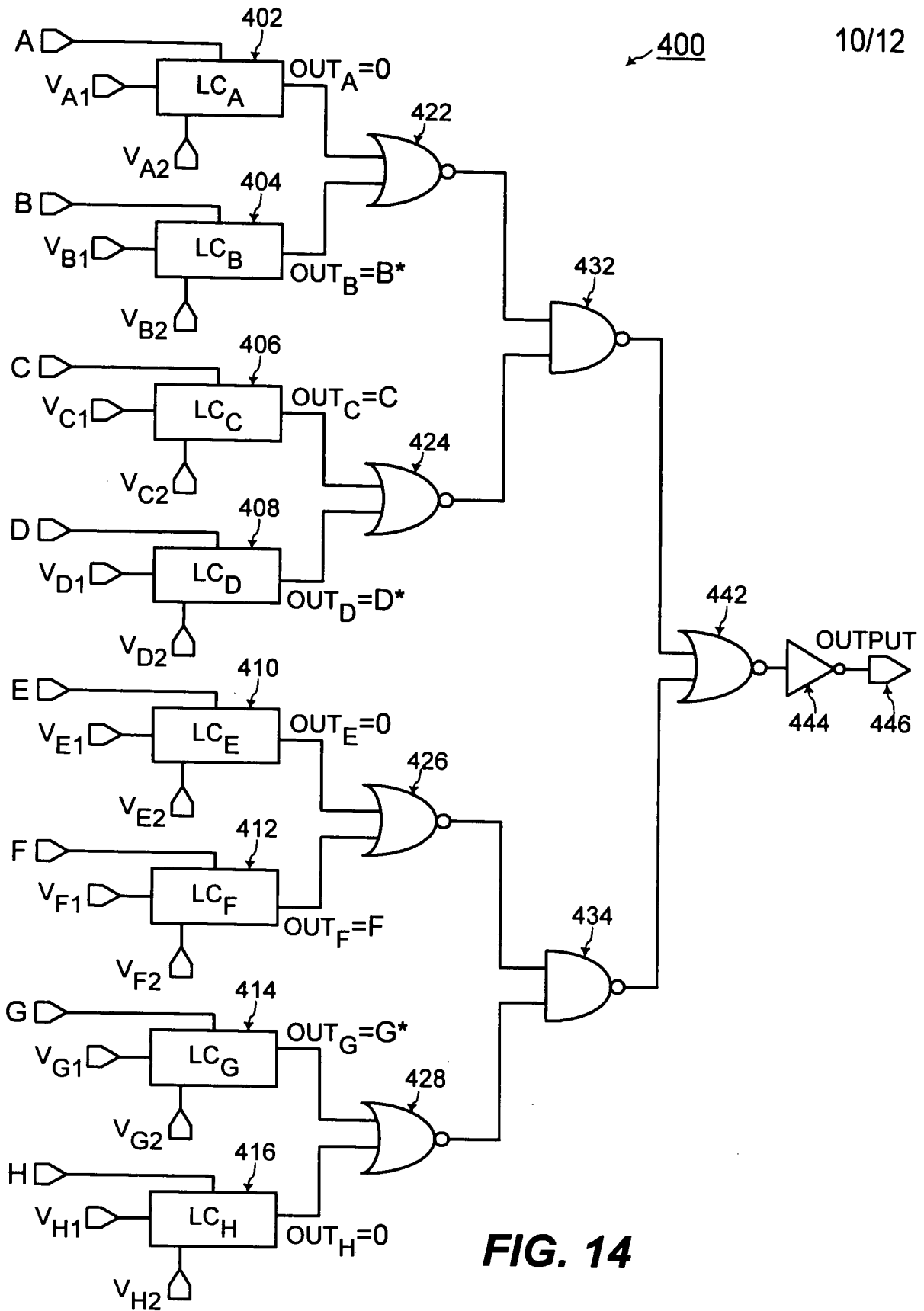
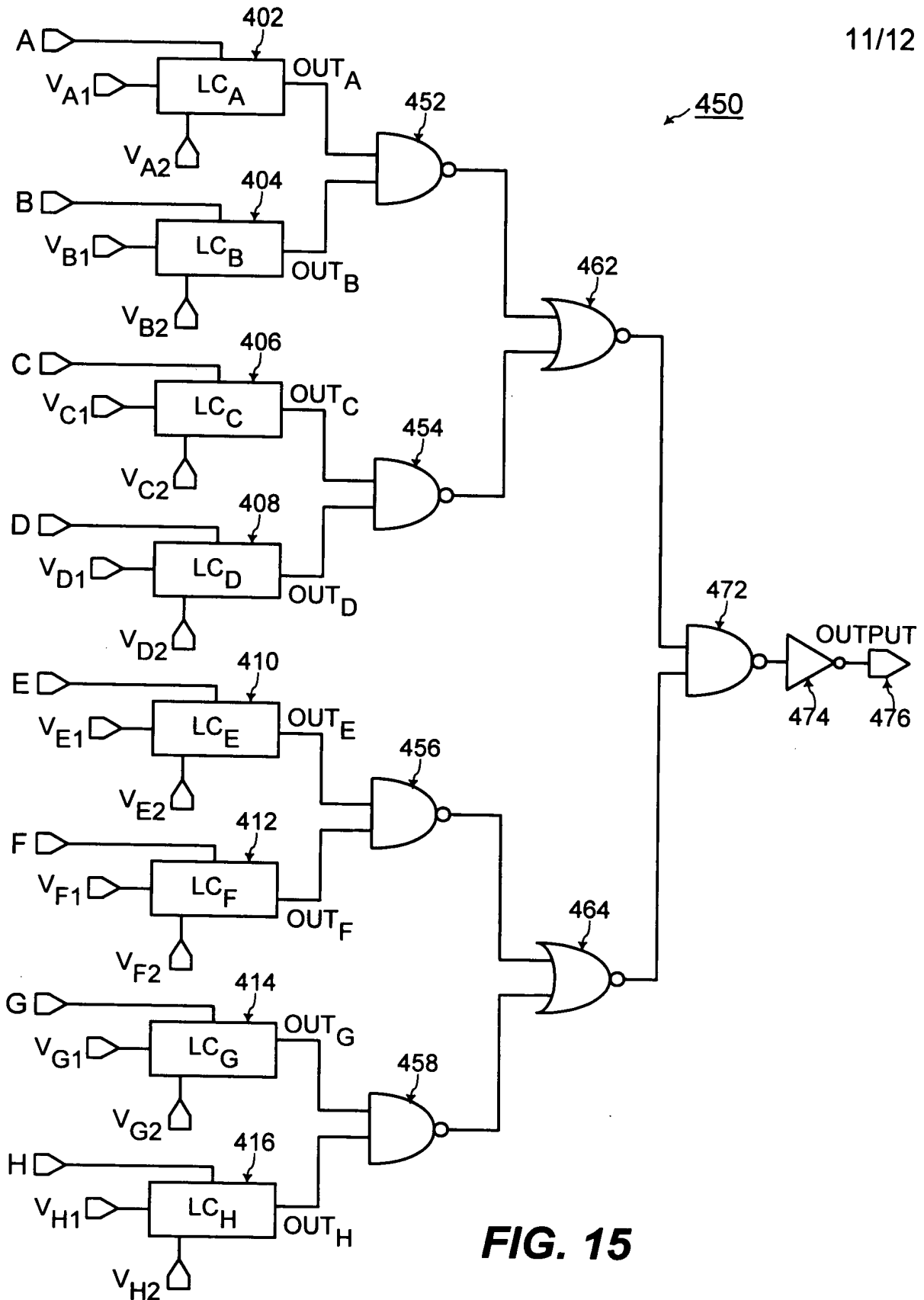


FIG. 14

**FIG. 15**

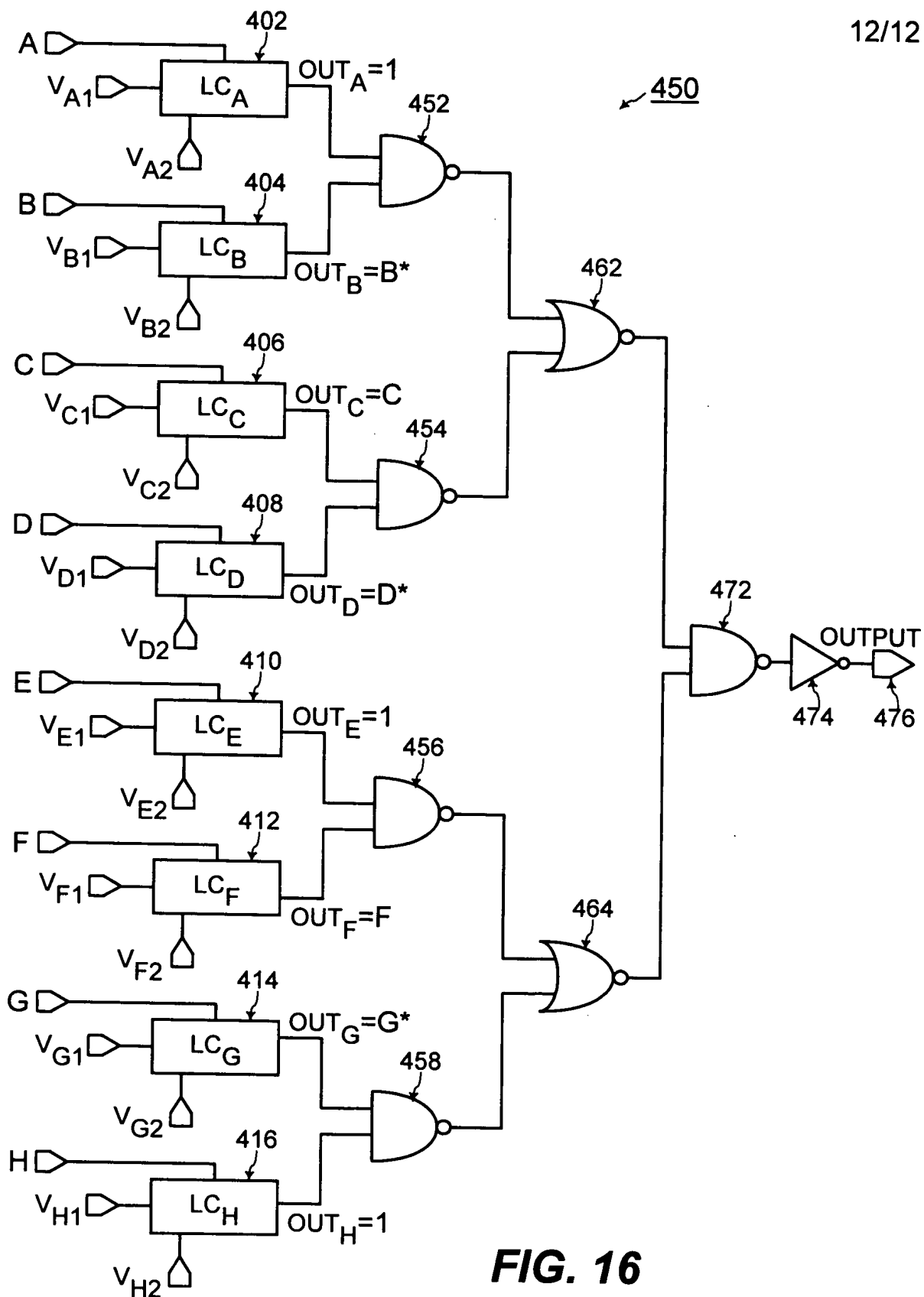


FIG. 16